| L Namber | | Search Text | DB | Time stamp |
|----------|------|--|--------------------|--------------------|
| 23 | 2203 | 423/210,219,248,299,347,352,645.ccls. | USPAT; | 2003/05/29 11:22 |
| 1 . | | | US-PGPUB | |
| 24 | 2560 | 502/304,305,326,345,349,353,406.ccls. | USPAT; | 2003/05/29 11:23 |
| 25 | | | US-PGPUB | |
| 25 | 463 | 95/117,138.ccls. | USPAT; | 2003/05/29 11:23 |
| 26 | 200 | 20454 | US-PGPUB | |
| 26 | 220 | 96/154.ccls. | USPAT; | 2003/05/29 11:23 |
| 27 | 5359 | 423/210 210 248 200 247 252 645 asla an | US-PGPUB | |
| ~ ' | 3339 | 423/210,219,248,299,347,352,645.ccls. or 502/304,305,326,345,349,353,406.ccls. or 95/117,138.ccls. | USPAT; | 2003/05/29 11:23 |
| | | or 96/154.ccls. | US-PGPUB | |
| 28 | 1846 | (423/210,219,248,299,347,352,645.ccls. or | USPAT; | 2003/05/29 11:27 |
| | | 502/304,305,326,345,349,353,406.ccls. or 95/117,138.ccls. | US-PGPUB | 2003/05/29 11.27 |
| | | or 96/154.ccls.) and (support oe substrate or carrier) and | 00-1 01 05 | |
| | | ((oxidation adj state) or valenc\$3 or reduced) and (coat\$3 or | 1 | |
| | | impregnat\$4 or layer\$3) | | |
| 29 | 1134 | ((423/210,219,248,299,347,352,645.ccls. or | USPAT; | 2003/05/29 11:34 |
| | | 502/304,305,326,345,349,353,406.ccls. or 95/117,138.ccls. | US-PGPUB | |
| | 1 | or 96/154.ccls.) and (support oe substrate or carrier) and | | |
| | | ((oxidation adj state) or valenc\$3 or reduced) and (coat\$3 or | | |
| | | impregnat\$4 or layer\$3)) and (hydride or ammonia or arsine | | |
| | | or phosphine or germane or silane or (ethyl adj silane) or | | |
| | | (butyl adj silane) or (butyl adj phosphine) or (trimethyl adj | | |
| 30 | 1112 | aluminum) or (trimethyl adj gallium) or (trimethyl adj indium)) | | |
| 30 | 1112 | (((423/210,219,248,299,347,352,645.ccls. or 502/304,305,326,345,349,353,406.ccls. or 95/117,138.ccls. | USPAT; | 2003/05/29 11:51 |
| | | or 96/154.ccls.) and (support oe substrate or carrier) and | US-PGPUB | |
| | | ((oxidation adj state) or valenc\$3 or reduced) and (coat\$3 or | | |
| | | impregnat\$4 or layer\$3)) and (hydride or ammonia or arsine | | |
| | | or phosphine or germane or silane or (ethyl adj silane) or | | |
| | | (butyl adj silane) or (butyl adj phosphine) or (trimethyl adj | | |
| | | aluminum) or (trimethyl adj gallium) or (trimethyl adj | | |
| | | indium))) and (oxygen or moisture or water) | | |
| 31 | 8 | ("5637544" "5196380" "6099619" "6391090" "6059859" | USPAT; | 2003/05/29 11:48 |
| 20 | 007 | "4713224" "6066591" "6461411").pn. | US-PGPUB | |
| 32 | 967 | ((((423/210,219,248,299,347,352,645.ccls. or | USPAT; | 2003/05/29 12:07 |
| | | 502/304,305,326,345,349,353,406.ccls. or 95/117,138.ccls. | US-PGPUB | |
| | | or 96/154.ccls.) and (support oe substrate or carrier) and ((oxidation adj state) or valenc\$3 or reduced) and (coat\$3 or | | |
| | | impregnat\$4 or layer\$3)) and (hydride or ammonia or arsine | | |
| | | or phosphine or germane or silane or (ethyl adj silane) or | | |
| | [] | (butyl adj silane) or (butyl adj phosphine) or (trimethyl adj | | |
| | . | aluminum) or (trimethyl adj gallium) or (trimethyl adj | | |
| | | indium))) and (oxygen or moisture or water)) and (vanadium | | |
| | | or molybdenum or antimony or bismuth or tin or cerium or | | |
| 22 | | chromium or cobalt or copper or tungsten) | | |
| 33 | 8 | "5659099" | USPAT; | 2003/05/29 12:07 |
| _ | | E03/204 cala and (audium) and a district | US-PGPUB | |
| - | 232 | 502/304.ccls. and (cerium) and substrate | USPAT; | 2003/05/28 14:16 |
| _ | 60 | 502/305.ccls. and (chromium or molybdenum or tungsten) | US-PGPUB | 0000/05/05 : : : = |
| | 55 | and substrate | USPAT; | 2003/05/28 14:17 |
| - | 74 | 502/326.ccls. and (cobalt) and substrate | US-PGPUB USPAT; | 2002/05/20 44:47 |
| | , , | | USPAT; US-PGPUB | 2003/05/28 14:17 |
| - | 50 | 502/345.ccls. and (copper) and substrate | USPAT; | 2003/05/28 14:17 |
| | | / tile -// milit campaigne | US-PGPUB | 2000/00/20 14.1/ |
| - | 23 | 502/349.ccls. and (tin) and substrate | USPAT; | 2003/05/28 14:17 |
| | | , , | US-PGPUB | |
| - | | 502/353.ccls. and (antimony or bismuth or vanadium) and | USPAT; | 2003/05/28 14:17 |
| | | substrate | US-PGPUB | |

| - ممر - ا | 415 | (| USPAT; | 2003/05/19 12:34 |
|--------------|------|---|--------------------|------------------|
| | | and (chromium or molybdenum or tungsten) and substrate) | US-PGPUB | |
| 1 | | or (502/326.ccls. and (cobalt) and substrate) or | | i |
| Ī | | (502/345.ccls. and (copper) and substrate) or (502/349.ccls. | İ | |
| 1 | | and (tin) and substrate) or (502/353.ccls. and (antimony or | | |
| İ | | bismuth or vanadium) and substrate) | | |
| - | 18 | | USPAT; | 2003/05/19 12:42 |
| | | and (chromium or molybdenum or tungsten) and substrate) | US-PGPUB | |
| | | or (502/326.ccls. and (cobalt) and substrate) or | | |
| | | (502/345.ccls. and (copper) and substrate) or (502/349.ccls. | | |
| İ | | and (tin) and substrate) or (502/353.ccls. and (antimony or | | |
| | | bismuth or vanadium) and substrate)) and (reduced adj | | |
| | | metal) | | |
| - | 52 | | US-PGPUB | 2003/05/28 14:17 |
| - | 2 | i i i i i i i i i i i i i i i i i i i | US-PGPUB | 2003/05/19 12:45 |
| - | 325 | | USPAT | 2003/05/28 14:35 |
| - | 14 | | USPAT | 2003/05/19 12:46 |
| 1- | 7 | ("4781900" "4976944" "5391364" "5496778" "5660809" | USPAT | 2003/05/19 12:47 |
| 1 | 1 | "5716588" "5855862").PN. | | |
| - | 311 | (substrate same (reduced adj metal)) not (substrate same | USPAT; | 2003/05/19 12:49 |
| İ | 004- | (reduced adj metal adj oxide)) | US-PGPUB | |
| - | 2045 | 423/210,219,352,347,299,645.ccls. | USPAT; | 2003/05/29 11:28 |
| | 300 | E02/204 pala and (a.v.) | US-PGPUB | |
| - | 233 | 502/304.ccls. and (cerium) and substrate | USPAT; | 2003/05/28 14:17 |
| 1 | 60 | 500/205 | US-PGPUB | |
| - | 60 | 502/305.ccls. and (chromium or molybdenum or tungsten) | USPAT; | 2003/05/28 14:17 |
| | 75 | and substrate | US-PGPUB | |
| - | /5 | 502/326.ccls. and (cobalt) and substrate | USPAT; | 2003/05/29 11:28 |
| | 50 | 502/245 pale and (annual) and by | US-PGPUB | |
| - | 30 | 502/345.ccls. and (copper) and substrate | USPAT; | 2003/05/28 14:17 |
| _ | 23 | 502/240 colo and (tin) and substants | US-PGPUB | |
| | 23 | 502/349.ccls. and (tin) and substrate | USPAT; | 2003/05/28 14:17 |
| _ | 56 | 502/353 cals, and (antimony or biometh accordable) | US-PGPUB | |
| Ī | 1 30 | 502/353.ccls. and (antimony or bismuth or vanadium) and substrate | USPAT; | 2003/05/28 14:17 |
| 1_ | 417 | (502/304.ccls. and (cerium) and substrate) or (502/305.ccls. | US-PGPUB | 2000/25/20 |
| | 111 | and (chromium or molybdenum or tungsten) and substrate) | USPAT; | 2003/05/28 14:18 |
| | | or (502/326.ccls. and (cobalt) and substrate) or | US-PGPUB | |
| | | (502/345.ccls. and (copper) and substrate) or (502/349.ccls. | | |
| | | and (tin) and substrate) or (502/353.ccls. and (antimony or | | |
| | | bismuth or vanadium) and substrate) | | |
| İ - | 283 | 423/210,219,352,347,299,645.ccls. and ((purifier adj | LICDAT | 2002/05/20 44-00 |
| | | material) or (getter) or (metal adj oxide)) | USPAT; US-PGPUB | 2003/05/28 14:23 |
| - | 167 | (423/210,219,352,347,299,645.ccls. and ((purifier adj | USPAT; | 2003/05/28 14:26 |
| | | material) or (getter) or (metal adj oxide))) and (hydride or | US-PGPUB | 2003/03/20 14:20 |
| | | ammonia or arsine or phosphine or germane or silane or | JOST GFUB | |
| | | (methyl adj silane) or (butyl adj arsine) or (butyl adj | 1 | |
| | | phosphine) or (trymethyl adj aluminum) or (trymethyl adj | 1 | |
| | | gallium) or (trymethyl adj indium)) | | |
| - | 325 | substrate same (reduced adj metal) | USPAT | 2003/05/28 14:36 |
| - | 1 | 4976944.pn. | USPAT; | 2003/05/28 14:39 |
| | | · | US-PGPUB | 2000/00/20 14.09 |
| - | 8 | 4976944.URPN. | USPAT | 2003/05/28 14:39 |
| - | 1 | 6241955.pn. | USPAT; | 2003/05/28 14:39 |
| | 1 | | US-PGPUB | 2000/00/20 14.00 |
| - | 7 | ("4781900" "4976944" "5391364" "5496778" "5660809" | USPAT | 2003/05/28 14:39 |
| | | "5716588" "5855862").PN. | , | =333,35,25 14,55 |
| - | 1 | 6241955.URPN | USPAT | 2003/05/28 14:39 |
| - | 1 | "4586561".PN. | USPAT | 2003/05/28 14:42 |
| - | | 5716588.URPN. | USPAT | 2003/05/28 14:42 |
| - | | "4586561".PN. | USPAT | 2003/05/29 09:06 |
| - | | 5716588.URPN. | USPAT | 2003/05/29 09:06 |
| - | | 6524544.URPN. | USPAT | 2003/05/29 09:07 |
| - | 9 | ("4976944" "5055282" "5496778" "5607572" "5679313" | USPAT | 2003/05/29 09:07 |
| | | "5716588" "5833738" "5976723" "6241955").PN. | | |

| - /* | 2 | ("3675392" "4603148").PN. | USPAT | 2003/05/29 09:26 |
|------------|---|---|-------|------------------|
| <i>-</i> / | 2 | 5298229.URPN. | USPAT | 2003/05/29 09:26 |
| 1 - | 4 | ("4734273" "4836929" "5158625" "5219819").PN. | USPAT | 2003/05/29 10:21 |
| - | 5 | 5607572.URPN. | USPAT | 2003/05/29 10:21 |